

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Jesus W. Casas-Bejar et al.

Serial No.: To Be Assigned

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Docket: P-7109.03 C1

Title:

Medical Electrical Leads and Indwelling Catheters with Enhanced Biocompatibility and Biostability

CERTIFICATE OF MAILING

DATE OF DEPOSIT _//- 28-01

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Assistant Director for Patents U.S. Patent and Trademark Office Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 et. seq., the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. § 609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

The Examiner's attention is brought to Applicants' filed U.S. Patent Application USPN 09/358,341, filed July 21, 1999, and the art cited therein.

Respectfully submitted,

By:

Applicants

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO .: SERIAL NO 09/063,227 (Rev. 2-32) PATENT AND TRADEMARK OFFICE P-7109 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) APPLICANT :Casas et al FILING DATE: 04/20/98 **GROUP: 3762** OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.) Cardona et al, "TNF and IL-1 Generation by Human Monocytes in Response to Biomaterials", J.Biom.Mat.Res., 26, 851-859 Casas-Bejar et al, "In vitro Macrophage-Mediated Oxidation and Stress Cracking in a Polyetherurethane," Transactions of the Fifth World Biomaterials Congress, Toronto, Canada (1996) Fujimoto et al, "Ozone-Induced Graft Polymerization onto Polymer Surface," J. Polym. Chem. 31, 1035-1043 (1993).Kao et al, "Role of Interleukin-4 in Foreign Body Giant Cell formation on a Poly(etherurethane urea) in vivo", J.Biomed.Mat.Res. 29, 1267-1275 (1995). Merchant et al, "In vivo Biocompatability Studies. I./The Cage Implant System and a Biodegradable Hydrogel", J. Biomed.Mat.Res. 17, 301-325 (1983) Miller et al, "Human Monocyte/Macrophage Activation and Interleukin-1 Generation by Biomedical Polymers," J.Biom.Mat.Res. 22, 713-731 (1998). Mond et al, "The Steroid-Eluting Electrode: A 10-Year Experience," PACE 19, 1016-1020 (1996). Schubert et al, "Oxidative Biodegradation Mechanisms of Biaxially Strained Poly(etherurethane urea) Elastomers," J. Biomed. Mat.Res. 29, 337-347 (1995). Shanbhag et al, "Macrophage/Particle Interactions: Effects of Size, Composition and Surface Area," J. Biomed.Mater.Res. 28, 81-90 (1994). Stokes et al, "Polyurethane Elastomer Biostability," J.of Biomaterials Applications, 9, 321-354 (1995). Zhao et al, "Glass Wool-H202CoC12 Test System for the In Vitro Evaluation of Biodegradative Stress Cracking in Polyurethane Elastomers", J. Biomed. Mat. Res. 29, 467-475 (1995) Zhao et al, "Cellular Interactions and Biomaterials: In vivo Cracking of Pre-stressed Pellethane 2363-80A", J. Biom.Mat.Res. 24, 621-637 (1990) Ackerman et al, "Purification of Human Monocytes on Microexudate-Coated Surfaces,", J.Immunol. 20, 1372-1374 (1978) Alderson et al, "A Simple Method of Lymphocyte Purification from Human Peripheral Blood,", J.Immunol.Methods, 11, 297-301 (1976). Anderson, "Mechanisms of Inflammation and Infection with Implanted Devices," Cardiovasc. Pathol., 2, 335-415 (1993) Anderson/"Inflammatory Response in Implants", ASAIO, 11, 101 (1998). Boyum/et al, "Density-Dependent Separation of White Blood Cells," Blood Separation and Plasma Fractionation, 217-239, Wiley-Liss, Inc. (1991) Boyffield et al, "Cytokine and Growth Factor Production by Monocytes/Macrophages on Protein Preabsorbed Polymers," J.Biom.Mat.Res., 26, 837-850 (1992). **EXAMINER** DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.